Dry block heaters » QBD2 mid range/general purpose example

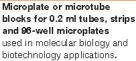
## Showcase - mid range/general purpose example

Model QBD2\* stability and uniformity ±0.1°C, temperature range: ambient +5 to 130°C

A versatile general purpose system with two removable/interchangeable blocks and a comprehensive specification to suit most dry block heating applications in the laboratory.

- Stability and uniformity: ±0.1°C
- Digital temperature control for optimum precision
- Heating range: ambient +5°C to 130°C, with rapid heat-up time
- Range of convenient features including alarms, single and dual point calibration, programmed start/stop, 'offset' for known sample temperature variation and choice of external or internal probes
- External probe available for accurate temperature control in a tube







Wide range of interchangeable blocks (order blocks separately)— extraction tool supplied as standard for easy and safe removal of blocks.



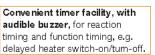
Custom blocks – for virtually any tube or vessel.

**High power heater** for fast heat-up – from 25°C to 100°C in only 20 minutes.

Over temperature cut-out protects your samples and your workplace.



Grant



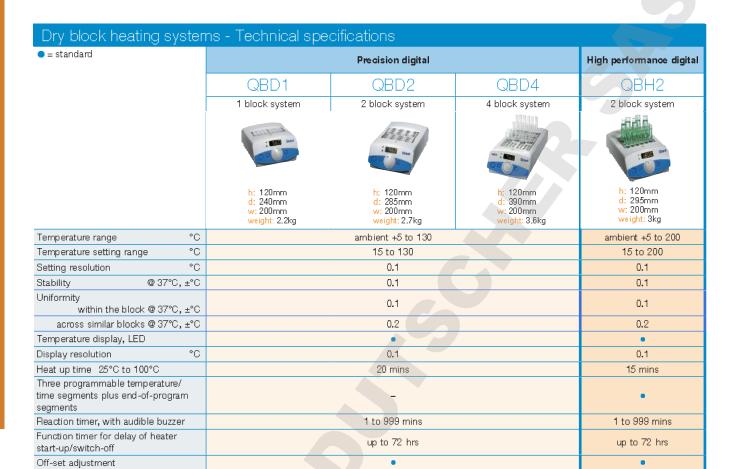
Simple to use rotory dial plus two keys for fast, accurate set-up.

Compact footprint and sloping fascia optimise benchspace and ensure clear visibility during set-up and in use.

High quality, robust construction in streamlined coolwall aluminium and chemical-resistant plastic – durable in demanding environments.

<sup>\*</sup> see summary table on page 7.3-7.4 for accessories and for other models in the range

## Dry block heaters » QB series » Technical specifications



300

120 or 230

thermal fuse

600

300

120 or 230

thermal fuse

Two-point calibration of internal and

High/low temperature alarms, settable to within  $0.5\,^{\circ}\mathrm{C}$  of set temperature

Extraction tool for easy and safe block

over temperature cut-out

150

external probes

Supply voltage Safety o

Power

removal

Fault indication display

## Dry block heaters » QB series » Options and accessories

Optic	ons and	d accessories				Co
		= available	QBD1	QBD2	QBD4	QBH2
Interchangeable blocks*						
Number o	of blocks	140 x 50 x 63mm	1	2	4	2
QB-0		Plain block without holes	•	•	•	
QB-10		For 24 x ø 10mm test tubes, 50mm hole depth	•	•	•	
QB-12	MARIE	For 24 x ø 12mm test tubes, 50mm hole depth	•	•	•	
QB-13		For 12 x ø 13mm test tubes, 50mm hole depth	•	•	7).5	•
QB-16	00000	For 12 x ø 16mm test tubes, 50mm hole depth	•			•
QB-17H	20000	For 10 x Falcon tubes tall 17mm ø test tubes, 75mm hole depth	•	• , >	•	•
QB-18	500000	For 12 x ø 18mm test tubes, 50mm hole depth	•		•	•
QB-24	0000	For 5 x ø 24mm test tubes and universal bottles, 50mm hole depth	•	(•)	•	•
QB-50	5000	For 4 x 50ml centrifuge test tubes, glass universals, 50mm hole depth ø 29mm	•		•	•
QB-H	Santania Santania	For 56 x 0.2ml microtube, 14mm hole depth, ø 6.5mm	• />	· .	•	•
QB-E0		For 24 × 0.5ml microtube, 30mm hole depth, ø 8mm	•	•	•	•
QB-E1		For 24 x 1.5ml microtube, 35mm hole depth, ø 10.8mm		•	•	•
QB-E2		For 24 x 2.0ml microtube, 35mm hole depth, ø 11mm	•	•	•	•
QB-E5	SHEET	For 12 x 5.0ml microtube, 53.5mm hole depth, ø 16.7mm	•	•	•	•
QB-DN		Dolphin nose tube 24 x ø 11.13mm to ø 6.1mm	•	•	•	•
External Pt1000 temperature probe						
QBEP	con	ndard probe. For in-sample or in-block temperature trol; encased in stainless steel sheath, ø 3 mm×30 long, with 350 mm of cable.	•	•	•	
QBEP-W	Sho For in s	rt-form probe. in-sample or in-block temperature control; encased lainless steel sheath, mm×14 mm long, with 350 mm of cable.	•	•		
		or molecular biology and biotechnology app 140 x 100 x 75 mm supplied with additional ex				
QDP-H	mic Unit	noles in microplate configuration for $0.2~\text{ml}$ roplates, strips or individual tubes. For $0.3^{\circ}\text{C}$ within tubes across the block; $6.2~\text{mm}$ bles, $14~\text{mm}$ hole depth.	-	•	-	
QDP-FL	flat Unit dou	versal block for standard 96-well plates (u-well, v-well, bottom, high temperature). formity $\pm$ 0.5°C between wells; supplied with hinged, ble layer lid to create an insulated incubation mber.	-	•	-	
Safety covers (not required with QDP-FL Microtiter blocks)						
	whi con	le from tough clear acrylic for maximum visibility st preventing accidental touching of a hot block or tamination of samples from splashes. arance height 85mm.	QBL1	QBL2	QBL4	QBL2

<sup>\*</sup> Custom blocks available - please email salesdesk@grantinstruments.com for further information